

U. S. DEPARTMENT OF ENERGY  
ROCKY FLATS PLANT  
ENVIRONMENTAL RESTORATION PROGRAM WEEKLY REPORT  
WEEK ENDING JULY 30, 1993

Section I - Interagency Agreement (IAG)

OU 1 - 881 Hillside-Phase III Resource Conservation and Recovery Act (RCRA) Facility Investigation/Remedial Investigation (RFI/RI)

Remedial Investigation (RI)

The final contaminant list for the OU 1 site was submitted to the regulatory agencies and RFO for their final review. They agreed to the list pending the correction of a few errors. On other portions of the RI report, work is proceeding on schedule. The comment responses to the Human Health Risk Assessment (HHRA) portion of the report, as well as comment responses to all other sections of the report, were submitted for informal RFO review. EG&G review is proceeding on other portions of the report.

Modifications to two contracts are underway. The protracted discussions with the regulatory agencies over the contaminant methodology has resulted in portions of work being redone and other portions stalled. Procurement is working to modify the contract for the environmental evaluation (EE) work and for the RI report. The technical evaluation was done last week and the cost evaluation will be done this week for the RI contract, and the request for proposals (RFP) went out last week for the EE modification. Funding for both these modifications is coming from funds not previously committed (awards below the requisition amount) and a reallocation of some internal labor hours which were not utilized.

The Change Control Board (CCB) was presented with a change to the OU 1 schedule. The change is the deliverable dates for Technical Memorandum (TM) #10 and #11. These deliverables are contingent upon completion of interrelated work that was granted schedule extensions by the regulatory agencies. The TMs are not regulatory agencies' milestone deliverables, so they did not receive extensions.

Feasibility Study/Corrective Measures Study (FS/CMS)

Work on the FS is underway now that the final contaminants of concern (COC) list has been determined. TM #10, *Preliminary Remediation Goals*, is currently under revision and will be resubmitted to RFO on schedule in mid-August 1993.

OU 1, 881 Hillside Interim Measures/Interim Remedial Action (IM/IRA) Treatment Building 891

Effluent Tank T-207 is currently being filled. Results from T-205 showed it had levels of xylene and iron that exceeded Applicable or Relevant and Appropriate Requirements (ARARs). However, xylene was also found in a blank sent with the shipment, thus indicating that the sample analysis may have been contaminated by the laboratory. The tank is currently being retreated and will be resampled for Volatile Organic Compounds (VOCs) (with QA blank) and dissolved iron (the ARARs is for dissolved metals, but samples are generally taken for total metals). T-206 water remains available for discharge into the wetland area, if needed. The remainder of T-206 water will soon be discharged in order to utilize this storage capacity.

Results from resin sample analysis indicated that the resins from the Ion Exchange (IX) System were still in good condition.

The second Quarterly Report and Standard Operating Procedures (SOPs) for Building 891 operations are in progress.

Approximately 2,000 gallons of decontamination pad water was treated.

### Total Treated Ground Water for OU 1

Treated Ground Water this week:

25,000 gallons

Total treated to date:

1, 470,000 gallons

### OU 2 - 903 Pad, Mound, East Trenches Area

#### Remedial Assessment

TM-10 Toxicity Assessment was transmitted to the RFO for review.

Demobilization of the field program is continuing along with slug testing for the remaining wells. Development of the B-series well is continuing.

There was an accident on July 22, 1993, involving the OU 2 field crew. While using the decontamination pad, a subcontractor employee sprayed his foot, causing second degree burns. The decontamination pad was shut down immediately and a critique was held on July 23, 1993. Immediate corrective actions will be taken before the decontamination pad is reopened. Additional corrective actions will be taken to better ensure that this type of incident is not repeated.

#### Feasibility Study (FS)

A statement of work (SOW) for the FS through the Record of Decision (ROD) was generated. This SOW is being revised to include only the FS component.

#### Surface Water Interim Measure/Interim Remedial Action Plan (IM/IRAP)

No sludge was packaged into drums this week.

Flows are decreasing because of warmer weather, and a preventive maintenance program has been implemented to assure proper maintenance, calibration, and performance of all equipment.

Work is under way to prepare the Quarterly Operations Report for the OU-2 Field Treatability Unit (FTU). The report is due August 2, 1993.

#### Subsurface IM/IRA

A draft of the IM/IRA Implementation and Operation Plan for the Soil Vapor Extraction Pilot Test has been completed and is under review by RFO.

Efforts continue to subcontract the detailed portion of the soil vapor survey (SVS). The scope has been defined and will consist of detailed surveys at the previous IHSSs, along with surveys at IHSS 109 and 111.1.

#### Surface water IM/IRA

No action will be taken on finalizing the Draft OU 2 Surface Water IM/IRAP Treatability Study Report until comments are received from the regulatory agencies.

### Total Treated Surface Water for OU 2

Treated Surface Water this week:

99,470 gallons

Total treated water at FTU:

17,059,370 gallons

### OU 3 - Offsite Areas

The Area of Concern (AOC) document has been revised based on regulatory agency comments. This AOC document will be delivered to the regulatory agencies by July 30, 1993. No specific schedule is attached to this document.

A presentation was given on July 21, 1993, to Jefferson County Open Space on the results of the AOC report. This presentation was requested by Jefferson County to discuss the status of the RFI/RI and potential property purchase by Jefferson County. The success of the presentation is dependent upon Jefferson County's decision to purchase the property.

### OU 4 - Solar Evaporation Ponds Phase I RFI/RI Program

TMs #4, *Human Health Risk Assessment (HHRA) Exposure Scenarios*, and #5, *HHRA Models*, are currently being reviewed by the regulatory agencies. TM #6, *Contaminants of Concern*, is preparing data summaries. A kickoff meeting for TM #6 was held on July 20, 1993.

Vadose Zone monitoring continues as required in TM #1, *Vadose Zone Investigation*, in the form of lysimeter sampling, neutron probe analysis, and water level measurements.

Data evaluation and report writing continues for the OU 4 Phase I RFI/RI Program. Approximately 88 percent of the data is in for all analytes except for metals, and approximately 50 percent of the metals are in.

### OU 5 - Woman Creek

The AOC document has been revised based on regulatory agency comments. This AOC document will be delivered to the regulatory agencies by July 30, 1993. No specific schedule is attached to this document.

### OU 6 - Walnut Creek

RFO comments on the TM #3, *Modeling Surface and Ground Water*, have been incorporated into the Draft Final for review by the regulatory agencies. RFO submitted the TM to the regulatory agencies this week. Comments from the regulatory agencies on the TM #2, *Exposure Scenarios*, were received on July 28, 1993.

An extension request for the August 4, 1993, Draft Phase I RFI/RI Report Interagency Agreement (IAG) milestone has been sent to EPA by RFO. The requested extension due date for the Draft Phase I RFI/RI Report is July 11, 1994.

### OU 7 - Present Landfill

The proposal to modify the OU 7 IAG schedule was sent to the regulatory agencies on July 24, 1993.

Efforts continue to identify the nature and extent of contamination at OU 7. A meeting was held July 22, 1993, to determine how the data will be grouped to compare to background. Data will be grouped as follows:

- (1) Groundwater: by hydrostratigraphic units
  - upper - - alluvium and weathered claystone;
  - lower - - unweathered claystone.
- (2) Geologic materials grouped into two units alluvium and claystone (weathered and unweathered).

These determinations were based on paired statistical comparisons between units for the revised background geochemical report and sample sizes for OU 7 samples.

### OU 8 - 700 Area

Responses to informal comments from CDH were completed and RFO will received these comments on August 2, 1993.

The revised Health and Safety Plan (HSP) for implementation of nonintrusive field work for the Industrial Area Operable Units (IA OUs) 8, 9, 10, 12, 13, and 14 was reviewed by EG&G and comment revisions were included in the final draft. RFO will receive two complete copies of the HSP.

RFO attended a meeting on July 29, 1993, to discuss the initial implementation of field work for OU 8. RFO will attend a weekly OU 7 meeting until the implementation of field work is complete.

#### OU 9 - Original Process Waste Lines (OPWL)

OU 9 will have an early start of tank inspection and sampling in FY93.

Site walk portions of data compilation, which includes visiting each tank site to prepare a sketch map and indicate specific locations to take soil samples, residue samples, etc. will begin. This will form the basis for TM #1, *Field Sampling Plan, Part 1 Tanks*.

#### OU 10 - Other Outside Closures

After delays associated with the breakdown of the High Purity Germanium Detector (HPGe) equipment, the data collection activities resumed during the week. It is anticipated that all of the OU 10 and OU 12 IHSSs located in the 400/800 area will be completed by the end of the week. This schedule, however, could change due to problems associated with the HPGe instrumentation. The HPGe detected the presence of uranium, americium, and plutonium within an IHSS of OU 12. It is not known whether this activity is present on the surface of the paved area in the 400/800 area or is coming from some other source inside a building. Further analysis of the HPGe data spectra will be needed to accurately determine the source of the radioactivity.

The final contract award for the IA OU field work has not yet occurred. It is anticipated that the final award will occur next week. Work has begun on implementing the OU field activities. Actual sampling, however, will not occur until the final contract award.

The first TM for OU 10 will be the nonintrusive TM, tentatively scheduled to be completed in March 1994.

#### Waste Removal Status for IHSSs 170/174 and 176

A meeting was held between plant services representatives and EG&G RPM staff on July 22, 1993, to discuss the waste removal actions from IHSSs associated with the IA OUs. Each site was visited to determine the amount of material to be moved during FY94 and the number of hours necessary to support this activity.

#### OU 11 - West Spray Field

Arrangements have been made with the Ecology and National Environmental Policy Act (NEPA) Division to revise the environmental evaluation (EE) portion of the OU 11 Work Plan, as well as provide a scope and schedule for the ecological field work.

The HPGe instrument is being evaluated as a replacement for surficial soil sampling because there were surface soils analyzed in 1988 that turned up levels of contaminants at or below background, except for a few radionuclides.

The analytes of concern list is being developed and work is starting on a borehole and monitoring well section for the revised Field Sampling Plan (FSP) for OU 11 (this FSP was to be part of Phase II, but as proposals to revise the investigation into a combined phases investigation have been approved by RFO and

met favorably with the regulatory agencies, this is being developed during the scheduled Phase I portion of the investigation).

#### **OU 12 - 400/800 Area**

The contract for the Integrated OU has not yet been awarded. A second set of negotiations were held on July 9, 1993, and at that time the existing letter contract was extended to full amount and scope. The delay in awarding the contract has pushed the field work schedule by approximately 11 weeks. The implementation of the IA/OU fieldwork is being expedited to try and recover some of the delay. The total impact on FY93 and FY94 activities is being investigated and is not yet known at this time.

Informal discussions among the project managers for the Integrated OUs regarding the estimate of work that will be completed at year end and IHSS intrusive activities that could be performed during 1994 have been in progress. Different costing and scheduling scenarios continue to be developed.

The procurement package for implementation of the IA EE was submitted to Procurement on July 21, 1993. One EE will be conducted for the entire IA but will support the information required in the Phase I RFI/RI Work Plans for OUs 4, 8, 9, 10, 12, 13, and 14. The implementation will be conducted by using the OU 9 EE TM.

The HPGe radiation screening surveys were completed in the 400 Area for OU 12 IHSSs on July 27, 1993.

#### **OU 13 - 100 Area**

Final revision of the OU 13 Work Plan was received by RFO on July 26, 1993. Approval is still pending from the regulatory agencies and RFO.

HPGe activities in OU 13 will begin the end of this week. Area management and security have been informed of the start up of these activities. Some temporary movement of materials in IHSS 134 may be required.

#### **OU 14 - Radioactive Sites**

The activities for FY94 continue to be entered into a software scheduling program, along with the logic ties, to facilitate the integration of activities with the other Integrated OU 8, 9, 10, 12 and 13. This exercise will lead into development of the scope and schedule for activities beginning in FY95 and beyond.

#### **OU 15 - Inside Building Closures**

The Integrated Work Control Packages (IWCPs) for OU 15 fieldwork in Buildings 881 and 447 have been approved. Fieldwork will begin within Building 881 before other buildings because none of the IHSSs located within Building 881 are Radiologically Controlled Areas (RCAs).

A pre-evolution briefing for fieldwork within Building 881 was held on July 26, 1993; RFO was present at the pre-evolution briefing. OU 15 fieldwork began after completion of the pre-evolution briefing. The June 18, 1993, Internal Work Package Milestone for beginning OU 15 fieldwork has not been met. A Radiological Worker Permit was obtained that specified Personal Protective Equipment (PPE). Radiological sampling for removable contamination will be conducted this week within Building 881. Collection of floor/equipment rinsate samples will begin next week within Building 881. A letter documenting the official start of OU 15 fieldwork was forwarded to RFO.

Document Change Notices (DCNs) were prepared for the Phase I RFI/RI Work Plan for OU 15 in order to clarify what SOPs will be utilized for fieldwork inside and outside of buildings. The IWCP procedure will be used to define the handling of PPE and handling of decontamination water and wash water within buildings. Outside of buildings FO.06 and FO.07, respectively, will be used as indicated within the Phase I RFI/RI Work

Plan for OU 15. An IHSS inspection form/checklist has been prepared to document the results of IHSS inspections required by Stage I of the OU 15 Work Plan. The IHSS inspection form/checklist will be incorporated within the OU 15 Work Plan using a DCN. In addition, the SOP for collection of floor/equipment rinsate samples (FO.27) was proposed within Table 10.1 of the OU 15 Work Plan but was not discussed within the OU 15 Work Plan as a separate SOP but as a modification of existing SOPs. A DCN to the OU 15 Work Plan will be used to clarify that a separate SOP was prepared to conduct rinsate sampling (i.e., FO.27).

Fieldwork may be delayed if a refrigerator cannot be procured to ensure that environmental samples can be stored over the weekends while sample screening is conducted prior to shipment of samples to laboratories. Subcontract modification for inclusion of these other direct costs is being completed this week.

Additional Quality Assurance (QA) readiness review requirements were provided on July 23, 1993, which included requirements from EG&G Facility Operations Management (FOM). The additional readiness review requirements include the documentation of tasks/items that have already been completed. The requirements have been met for the most part and obtaining proper documentation will not delay OU 15 fieldwork.

OU 15 TMs are not scheduled for submittal until FY 94.

#### **OU 16 - Low Priority Sites**

The proposed release date of July 6, 1993, will be rescheduled to allow for further review time for RFO, DOE HQ and EG&G. EPA continues to incorporate comments being provided from within that agency.

#### **Integrated Operable Units - OUs 8, 9, 10, 12, 13 and 14**

Site tours are being scheduled. OU 8 and OU 9 had walking tours on July 28, 1993.

Based on the second subcontract negotiations meeting for the IA OU contract on July 9, 1993, a revised cost evaluation is being performed by EG&G Procurement. The letter subcontract initiated on May 13, 1993, was expanded on July 13, 1993, to allow the subcontractor to begin work on all tasks for the IA OUs. Official contract award will follow completion of the cost evaluation and is anticipated by August 3, 1993.

Data compilation tasks for OU 8 and OU 9 were initiated on July 14, 1993, under the new letter subcontract authorized on July 13, 1993.

OU schedules are being integrated for the IA OUs for FY94. Each IA OU schedule for FY94 will be linked together via the work package system.

HPGE surveys for OU 12 were completed on July 27, 1993. The HPGe unit will begin work on OU 13 next week.

The cost estimate for removal of materials covering all the IA OU IHSSs was submitted. An estimated \$1.2 million will be necessary to remove materials to support environmental investigation of the IA OUs.

#### **Interim Measures/Interim Remedial Action Plan (IM/IRAP)**

The revised IA/IM/IRA scope and schedule was presented to the regulatory agencies on July 20, 1993. The regulatory agencies along with RFO and EG&G revised the schedule to include concurrent review for RFO, HQ, and the regulatory agencies. Final approval from the regulators should be received by early next week. The FY94 work package is now being revised to reflect the new scope and schedule.

#### **Sitewide Activities**

### Treatability Studies Meetings

#### Sitewide Work Package (12192)

This is the work package that supports the Sitewide Treatability Studies. The budget for this work package for FY93 has been increased. The added funds are to provide contract support for the risk assessment and analyses activities for the OUs.

The first draft of the FY94 work package was completed and submitted to the review process on June 18, 1993. The package has completed reviews at the group level, preliminary RFO level, AGM level, and plant level without major comment. A review at the HQ level is scheduled for August 2, 1993.

#### Status of Treatability Laboratory In Building 881

A treatability study laboratory is being developed. The laboratory is being used to conduct some of the treatability studies for the Sitewide Program. The initial round of testing for the adsorption treatability study has been completed. Additional testing will take place when the results of this testing have been analyzed.

#### Plutonium (Pu) In Soils - Physical Separation (TRU/Clean)

The TRU/Clean process (physical separation) was identified in the Final Sitewide Treatability Plan for further test work and evaluation to determine how effectively it might remove plutonium contamination from RFP soils. Initially, this test work was planned to be a part of the Plutonium in Soils Integrated Demonstration (ID). However, the ID has been put on hold. Therefore, RFP has contracted with Lockheed Environmental Systems and Technologies Company to conduct testing of the TRU/Clean process with RFP's soils.

An EG&G employee traveled to the Nevada Test site July 26 - 27, 1993, to observe the start of the Phase II testing that began on July 27, 1993. This test work is running approximately 2 weeks behind schedule due to preparations for the plasma melter testing. The test work should be completed by the end of August 1993, and a preliminary report should be finished by the end of September 1993.

#### Sitewide Treatability Studies On Ion Exchange And Adsorption

Ion Exchange and Adsorption are two of the technologies identified in the Final Sitewide Treatability Plan for further test work and evaluation to determine how effectively they might remove various contaminants from surface and ground water at RFP.

Samples from the six adsorption laboratory tests were transported to ACCU-LABS on June 19, 1993, for analyses. The metals results are expected in approximately 4 weeks and the radionuclides in 6 weeks.

Harrison- Western (HW) completed additional laboratory studies on July 26, 1993. HW has a proprietary membrane technology for removal of hazardous contaminants. HW uses the membrane in conjunction with peat moss that has been processed into resin beads. Analytical samples of all product streams have been submitted to ACCU-LABS, and metals results are expected in approximately 4 weeks. Radionuclides analyses will take longer due to counting times.

A progress report due to RFO is being drafted that covers the adsorption work done to date. It will be distributed for internal review prior to submittal to RFO. The progress report has an internal deliverable due date of September 30, 1993.

### Other Activities

#### Deferred Status (DS) Issue

A meeting was held with Waste and Environment Controls, and Radiological Engineering concerning the issue of VERSUS for potentially radiologically contaminated materials and equipment. The issue of the VERSUS is related to the performance objective for the Certification of Non-Radioactive Waste. The primary drivers of VERSUS are material and equipment that are not readily defined as low-level waste (< 100 nCi) or TRU waste (> 100 nCi) and

the no rad added (NRA) issues relating to the performance objective. This is directly related to Building 891 where the white drums will be located for the Filter Socks. Based upon the conversations with RE, it would appear that the filter socks could be stored in VERSUS until a program for characterization and release of materials and equipment such as the filter socks was developed and in place. RFP is looking into this option for OU 1 and OU 1 Water Treatment Facilities.

#### Main Decontamination Facility (MDF)

The Master Task Subcontract (MTS) for the Decontamination Facility Operation was awarded. A meeting was held with Procurement on July 14, 1993, to go over the signed contract. The training and transition is scheduled to start July 26, 1993. The MDF is RCRA inspected daily. Environmental and radiological readings were at background levels.

A meeting was held with EG&G FOM to discuss the modification of the MDF. The pad was initially built as a temporary facility and is in need of repairs and upgrades. Preliminary plans and drawings have been put together to modify the MDF.

Two thousand five hundred gallons of decontamination waste water were shipped to 891 Treatment Facility.

#### Investigative Derived Material (IDM) Management

RCRA Unit 18.03 has 42 OU 1, 124 OU 2, 4 Well Abandonment and Replacement Program (WARP), 214 OU 5 and OU 6, 92 OU 7, 167 Decontamination Pad, 294 OU 2 Bedrock (BR) and 2 Ebasco Underground Storage (UST) drums for a total of 939 drums stored in it. Thirty of the 166 drums that were Real Time Radiography (RTR) have detectable water. RCRA Unit 18.04 has 44 drums from OU 2 BR stored in it. One hundred sixteen drums from RCRA Unit 18.03 with no exceedances were shipped to the Facility Operations Yard, and the soil is being readied to be disposed of in the landfill.

Two hundred sixteen drums with potential exceedances from the OU 1, OU 2, and Sitewide drilling programs have been marked and are being monitored by EG&G Radiation Protection Technicians (RPTs) and are being painted by EG&G painters in preparation to be shipped to RCRA Unit 18.03. One hundred twenty one drums from OU 2 BR, 32 drums from Jacob Engineering WARP and 34 drums from OU 5 are presently being stored at RCRA Unit 1940 and are being readied to be shipped to RCRA Unit 18.03 or RCRA Unit 18.04.

There are 1,826, 55-gallon drums and 1,652, 30-gallon drums for a total of 3,478 environmental gray drums. Weekly RCRA inspections were completed. Monthly and weekly drum inspections are continuing for July 1993.

A battery inventory for all personnel in the Facility Operations Yard has been completed and will be sent to EG&G Waste Technical Support so that a battery recycling or disposal program can be started.

Five hundred fifty one drums in the field with no exceedances are being marked with yellow tape and monitored by EG&G RPTs in preparation of removal from the field and disposal in the landfill.

#### Section II - Solar Ponds Remediation Project (SPRP)

##### Regulatory

As part of the documentation for the failure of the Modular Tank pipeline, a rough draft of the RCRA Contingency Plan Implementation Report was prepared. Submittal of the report to CDH is required within 15 days of the occurrence.

RFO met with EG&G on July 23, 1993, for a final briefing for RFO. Twenty-two items were discussed and only



three remained unresolved. The unresolved items were all related to the completion of the storage tank and distillate injection systems SO testing. Those actions are in progress and should be completed by close of business July 27, 1993. RFO expressed satisfaction with the closures but had two comments that required further action. SPRP needs to verify that the B-910 sprinkler system is in compliance with Fire Department requirements, and clarify details concerning emissions produced through evaporative processing as they relate to plantwide emissions permitting.

#### Pondsludge Status and Issues

Work continued on the new options analysis for accelerated pond closure. The selection of processing and storage options was completed. The draft report was finalized for issue on July 26, 1993. The selected option will now be taken through a conceptual design development process leading to a budget quality schedule and cost estimate. This effort is scheduled for completion in September 1993. The selected option involves pumping the sludge from the ponds in a manner similar to that currently being used to consolidate the B Pond material. For C Pond, an additional pump will be used to agitate the material during water addition for salts dissolution. The material will be pumped to the 750 pad where it will be stored in frac tanks and roll-off sludge containers.

#### Water Management status and Issues

	This Week	Total (since 4/1
Pond Water to Bldg. 374: (gal)	0	1,405,000
Modular Tank water to Bldg. 374: (gal)	0	331,000
Modular tank water to Bldg. 910: (gal)	5,000	60,000
Pond water excess volume: (gal, Approx.)	0	xxx
Interceptor Trench Flow: (gal)	xxx	xxx
"B" North Pond Freeboard: (inches)	90	(desired 90)
"B" South Pond Freeboard: (inches)	31	(desired $\geq 24$ )
Available Modular Tank Volume: (gal)	626,500	(926,500 max)

Ponds 207A and 207 B center are empty and dry.

The Building 374 evaporators were taken down for maintenance starting July 3, 1993, and are now back on-line. The 231 tank (the Bldg 374 feed tanks) has been pumped down to about 4,000 gallons but is encountering problems from the accumulated sludge from settled suspended solids in the tank bottom. The 806 heat exchangers (there are two exchangers, but only one is required to operate) are plugging regularly with the sludge and must be manually rodded out. The units are scheduled to go down for an estimated 3 week maintenance effort to replace one of the main heat exchangers, and plans are to get the storage tanks as low as possible before this happens.

The Building 910 evaporators were run for 2 shifts each day last week and also Monday of this week to generate distillate to SO test the 215 D tank and the associated pumping and control system. Preliminary analysis of the distillate in the tank indicated elevated conductivity and nitrates. The problem was traced to a contaminated fill line. The line has now been flushed out, and the test of the ability to pump product water to the raw-water system is now being conducted.

A failure occurred in the pipeline from the Modular Tanks to Building 910, allowing Interceptor Trench System (ITS) water to accumulate in the Modular Tank pump house and the ITS sump. The water was promptly recovered. While the pump house is considered to be adequate containment for the water, the ITS sump is an unlined concrete structure and not a secondary containment. Since the sump is the source of the water that was released and the volume released represents only a fraction of a percent increase in the water handled on an annual basis

through the sump, EG&G expects the potential increase in risk to health and the environment to be insignificant. Water from the Modular Tanks can not be transferred to Building 910 for treatment until the pipeline is repaired. There is sufficient available capacity in the Modular Tanks to store ITS water during the anticipated repair period, and Building 374 is an alternative treatment facility. Based on informal discussions between RFO and CDH, no impact is expected on meeting the IM/IRA schedule commitments for Building 910.

### Section III - Surface Water Management

#### Pond Water Management IM/IRA

The development of the IM/IRA continues. A meeting was held in July 1993 to review the progress being made and discuss options screening.

RFO received a memorandum from the CDH commenting on the revised IM/IRA schedule. RFO attended a meeting on July 29, 1993, with EG&G to discuss progress and CDH schedule comments.

On July 30, 1993, a draft of a National Environmental Protection Agency (NEPA) review of current pond operations was submitted, and EG&G Statistical Applications submitted background statistical data and water quality summary statistics.

#### Surface Water Environmental Monitoring Stations

The scope is to install six surface water environmental monitoring stations.

Award of the engineering contract was completed this week, and Title II revisions were completed. The Title II revisions will be initiated next week.

### Section IV - Future

#### Community Relations

##### Upcoming Events

- |                 |   |
|-----------------|---|
| August 17, 1993 | (Tentative) Public Open House for Programmatic Environmental Impact Statement (PEIS) for Reconfiguration of the Weapons Complex, time and location TBD. |
| August 18, 1993 | (Tentative) Public Scoping Meeting to prepare PEIS for Reconfiguration of the Weapons Complex, at 9:00 a.m. to 9:30 a.m., location TBD.                 |
| August 21, 1993 | ComRad Environmental Monitoring Station Open House, Northglenn, 11:00 a.m. - 3:00 p.m., Northglenn Recreation Center, Northglenn, CO.                   |
| August 24, 1993 | Environmental Surveillance Exchange of Information Meeting, 1:30 p.m., Broomfield City Council Chamber, No. 6 Garden Office Center, Broomfield, CO.     |
| August 28, 1993 | ComRad Environmental Monitoring Station Open House, Westminster, 11:00 a.m. - 3:00 p.m., Country Side Recreation Center, Westminster, CO>               |